WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATION AL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Paterit Classification 7: (11) International Publication Number: WO 00/54697 **A1** A61C 8/00 (43) International Publication Date: 21 September 2000 (21.09.00)

(21) International Application Number:

PCT/SE00/00359

(22) International Filing Date:

24 February 2000 (24.02.00)

(30) Priority Data: 9900967-2

18 March 1999 (18.03.99) SE

(71) Applicant (for all designated States except US): NOBEL BIO-CARE AB (publ) [SE/SE]; Box 5190, S-402 26 Göteborg (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): JÖRNEUS, Lars [SE/SE]: Riabergsvägen 7B, S-430 30 Frillesås (SE).

(74) Agent: OLSSON, Gunnar, Nobel Biocare AB (publ), Box 5190, S-402 26 Göteborg (SE).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MIR, NE, SN, TD, TG).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of

In English translation (filed in Swedish).

(54) Title: METHOD, ARRANGEMENT AND USE FOR APPLYING A SPACER TO AN IMPLANT BY MEANS OF A SCREW

(57) Abstract

A spacer (2) is secured in an implant (4) by means of a screw (3) which extends through the spacer and whose head cooperates with a tightening and locking surface in the spacer. Before the screw is screwed in, the said screw and the spacer are supported by a holder which, together with the spacer and the screw, forms a rotationally fixed unit. The thread of the screw is screwed into the thread (4c) of the implant by means of rotating or screwing movements (8) of the unit. When, during screwing, the bearing surface (2a) of the spacer comes into cooperation with a corresponding top surface of the implant, the holder is removed from the spacer and the screw, after which the screw head is exposed for possible further tightening.

